KARL-FRANZENS-UNIVERSITÄT GRAZ
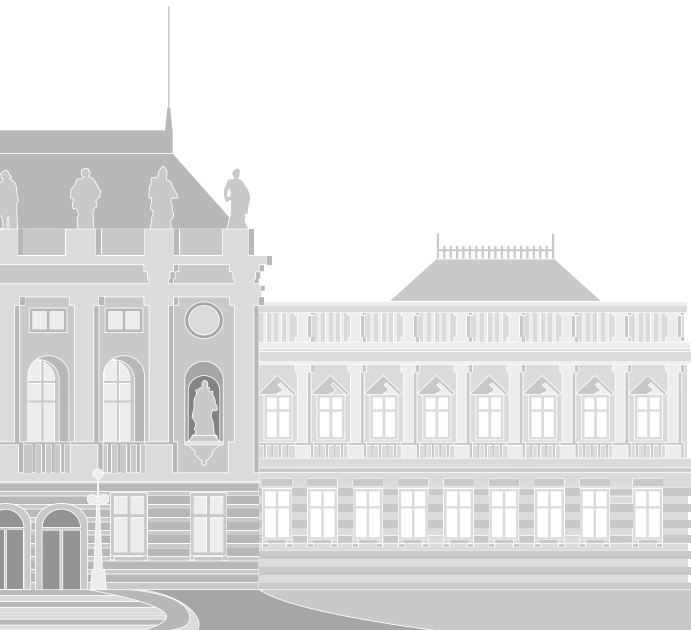UNIVERSITY OF GRAZ

UNI GRAZ

Arithmetic and Ideal Theory of Rings and Semigroups

with a one-day special session dedicated to Franz Halter-Koch on the occasion of his 70th birthday

Schedule

September 22-26, 2014
Graz, Austria

Monday

| 9:00 | K. A. Loper |
| | Chains of quadratic transforms of a regular local ring |

| 10:00 | —— Coffee break —— |

	Session **A**	Session **B**
10:30	F. Tartarone	R. Wiegand
	When Bhargava rings are PvMD	Direct-sum decompositions of modules over one-dimensional local rings
11:00	S. Bazzoni	N. Zamani
	Homological epimorphisms of rings with weak global dimension one and the telescope conjecture	On finiteness of certain graded Ext-modules
11:30	S. Gabelli	P. Zanardo
	One-dimensional stable domains	Fully inert subgroups of Abelian groups

| 12:00 | —— Lunch break —— |

| 14:00 | V. Barucci |
| | From simple to less simple |

| 15:00 | T. Lucas |
| | Lobal Properties of Integral Domains |

| 15:30 | —— Coffee break —— |

	Session **A**	Session **B**
16:00	M. Domokos	P. N. Ánh
	On the Noether number of finite groups	A generalization of Clifford's theorem
16:30	M. D. Neusel	G. Peruginelli
	Vector Invariants and Hilbert Ideals	Fixed divisor of polynomials over matrices
17:00	K. Cziszter	R. Rissner
	A new connection between additive number theory and invariant theory	Null ideal of a matrix

| 17:30 | —————— |

| 19:00 | Reception by the Mayor of Graz at Rathausplatz 1 |

Tuesday

| 9:00 | J. Okniński |
| | Noetherian semigroup algebras and beyond |

| 10:00 | —— Coffee break —— |

| 10:30 | H. Marubayashi |
| | Ore and Rees Rings which are Maximal Orders |

	Session **A**	Session **B**
11:30	Ł. Kubat	G. Booth
	Structure and representations of plactic algebras	On Primeness and Ideals in Near-Rings of Homogeneous Functions

| 12:00 | —— Lunch break —— |

| 14:00 | E. Akalan |
| | Multiplicative Ideal Theory in Non-commutative Rings |

| 15:00 | N. Baeth |
| | Factorization theory in noncommutative settings |

| 15:30 | —— Coffee break —— |

	Session **A**	Session **B**
16:00	L. Márki	D. Bennis
	Commutative orders in semigroups	On homological dimensions relative to a weakly Wakamatsu tilting module
16:30	S. Tringali	R. Naghipour
	Seminormed structures and factorization systems	On the quintasymptotic prime ideals
17:00	A. N. Khan	M. Sedghi
	An engel condition with generalized derivations in rings	Skinny and finiteness properties of extension functors

| 17:30 | —————— |

| | Wednesday | Thursday | Friday |

Wednesday

dedicated to the celebration of
Franz Halter-Koch's 70th birthday

9:00 Welcoming addresses in honour of
Franz Halter-Koch

9:30 M. Fontana
Franz Halter-Koch's contributions to ideal systems:
a survey of some selected topics

10:30 ——— Coffee break ———

10:50 A. Geroldinger
Franz Halter-Koch's contribution to factorization
theory: the story of a new idea

11:30 ————————————

13:00 Departure for the excursion to Weinbauschule
Silberberg and Buschenschank Kieslinger

Thursday

9:00 J. Coykendall
Atomicity, factorization, and graphs

10:00 ——— Coffee break ———

	Session **A**	Session **B**
10:30	C. A. Finocchiaro Topological considerations on semistar operations	S. Wiegand Prime ideals in quotients of mixed polynomial-power series rings
11:00	I-C. Huang Extensions of Tangent Cones	J.-L. Chabert About number fields with Pólya group of order ≤ 2

11:30 E. Houston
Star Regularity for Noetherian Domains

12:00 ——— Lunch break ———

14:00 W. A. Schmid
Sets of lengths: retrospects and prospects

15:00 B. G. Kang
Krull dimension and unique factorization in Hurwitz polynomial rings

15:30 ——— Coffee break ———

	Session **A**	Session **B**
16:00	M. Radziejewski Semigroup subsets defined by factorization-related properties	A. Badawi On the dot product graph of a commutative ring
16:30	A. Umamaheswaran C-Gorenstein $\mathcal{X}$-projective, $\mathcal{X}$-injective and $\mathcal{X}$-flat Modules	F. Taraza On an extension of the classical zero divisor graph
17:00	P. Baginski New Developments for the Plus-Minus Davenport Constant	U. Krause Atomic decay in domains and monoids

17:30 ————————————

Friday

9:00 B. Olberding
Geometric and topological applications to intersections of valuation rings

10:00 ——— Coffee break ———

	Session **A**	Session **B**
10:30	G. W. Chang Locally GCD domains and the ring $D + XD_S[X]$	A. Vigneron-Tenorio Computing some families of Cohen-Macaulay, Gorenstein and Buchsbaum semigroups
11:00	M. D'Anna Ring and semigroup constructions	D. Torrão Sets of positive integers closed under product and the number of decimal digits
11:30	H. Kim Piecewise w-Noetherian domains and their applications	C. O'Neill How do you measure primality?

12:00 ——— Lunch break ———

14:00 P. García-Sánchez
Computing nonunique factorization invariants

15:00 L. Salce
Products of elementary and idempotent matrices over integral domains

15:30 ——— Coffee break & end ———